Unit Quarterly Environmental Training
11 April, 2007
0900-1100

One person per, please log your unit's attendance with the Environmental staff in the rear of the room

Log your unit/activity, total present, Point of Contact name and number

DPW-Environmental
(254) 287-8755

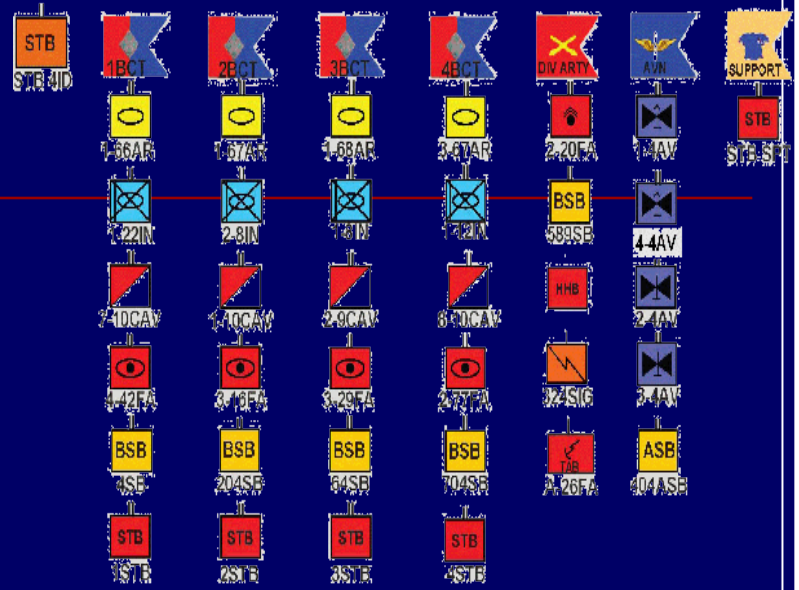
Agenda

- 0900-0930, Introductions, Regulations and why you're here
- 0930-1000 Mr. Gil Eckrich, Natural Resources and Endangered Species
- 1000-1010 Break
- 1010-1020 Material Safety Data Sheets and other helpful hints on Hazardous Materials
- 1020-1045 Used Product Reclamation Points, Spills and Recycling
- 1045-1100 Upcoming Earth Day Events and How to Save Money at YOUR Home

Oh, yeah…

- In case of evacuation, immediately leave in an <u>orderly fashion</u> and EVERYONE (do not go to your car!) meet here:
- Restrooms:

Units & Activities

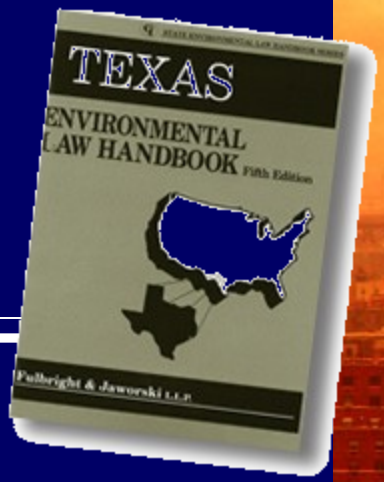


- One person per unit – log unit's attendance
  - total present
  - Point of Contact name and number

Who we are:

DPW-Environmental (All Installations have an Environmental Office)

- Laws change from state to state, *so…*
- Many rules are unique to each Installation



What can DPW-Environmental do for you?

- Hazardous materials buying/procurement, storage & disposal, spill response, inventories
- Oil water separators, wash racks, Fuel Tank Purging, MKT washing
- Water use, conservation and quality
- Recycling
- Endangered species
- Air quality, Energy
- Dig Permits
- Training

Semi-annual formal environmental assessments.

Knowing is half the battle!

So, why are you here?

1.5. Commanders, directors, and managers…

- (6) Conduct monthly spill prevention briefings and quarterly environmental awareness training. Document training by recording training topic(s), and attendee roster that includes:
  - (a) Date.
  - (b) Printed Name.
  - (c) Rank.
  - (d) Signature of all in attendance.

Why do you care?

Do you want to be here Friday at 1800?

Or here?

Why do we all care?

You don’t want your land to turn into this

Or your neighborhood to this.

We'll help you learn:

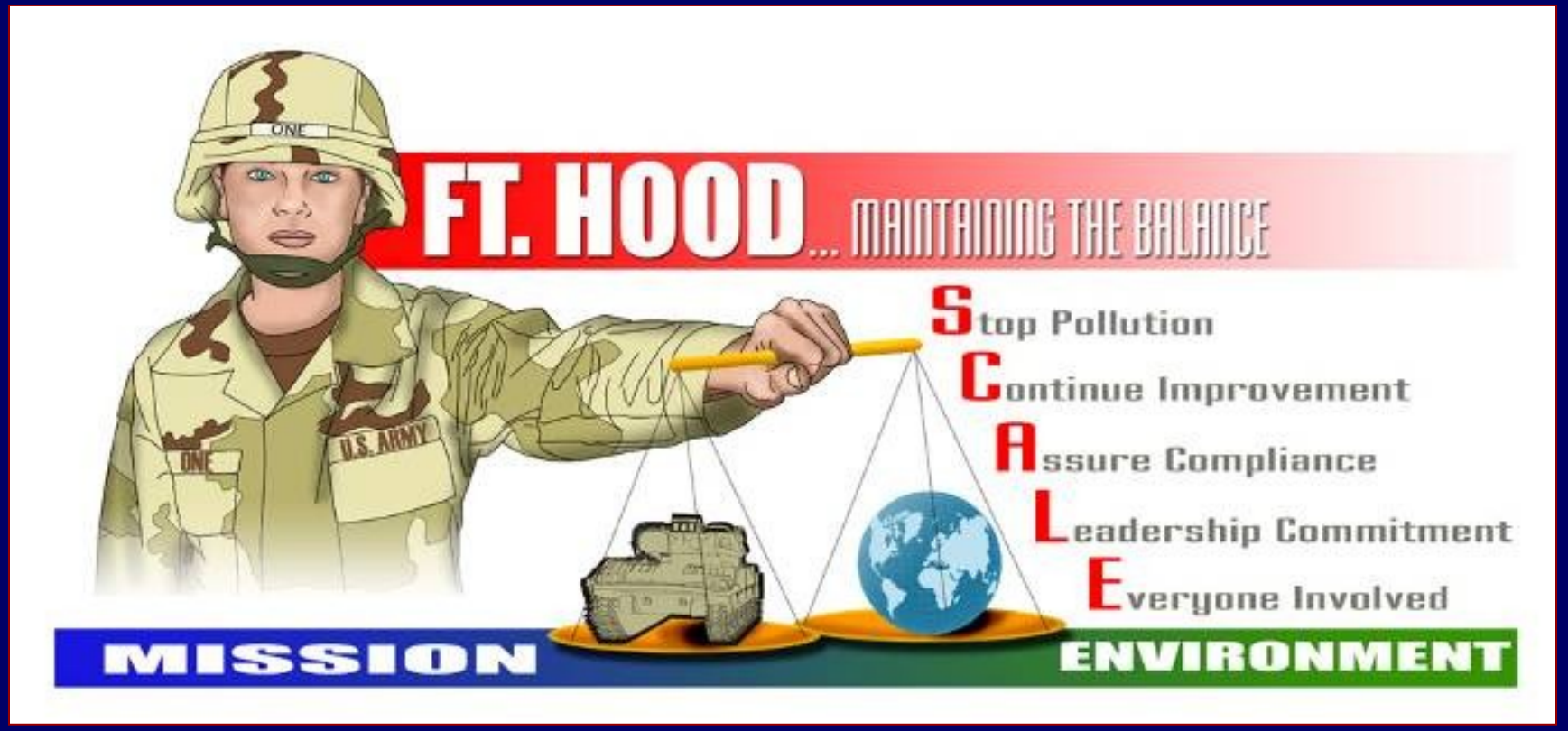
- What to do
- Why you do it
- How you get it done
- Who to call for assistance
- When to ask for help

Do it Right, the First Time.

The Army Sustainablity Vision

- Army's Focus on Sustainabilty
  - "Sustain the Mission, Secure the Future"
  - PN 711730, 2006
  - 17 Minutes

Fort Hood's Environmental Policy



FORT HOOD ENDANGERED SPECIES PROGRAM

Endangered Species Act

- Provides for designations and protection of invertebrates, wildlife, fish, and plant species that are in danger of becoming extinct and preserves the ecosystems on which such species depend.

- Recognizes that such species, “are of esthetic, ecological, educational, historical, recreational, and scientific value to the Nation and its people.”

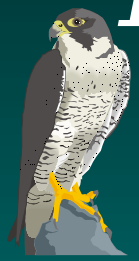
Requirements for Ft Hood

- All federal agencies must use authorities to carry out programs for the conservation of endangered and threatened species.

- AR 200-3 requires installation Endangered Species Management Plan (ESMP).

Endangered/Threatened Species on Fort Hood

- Migratory/Wintering Birds
  - Whooping Crane



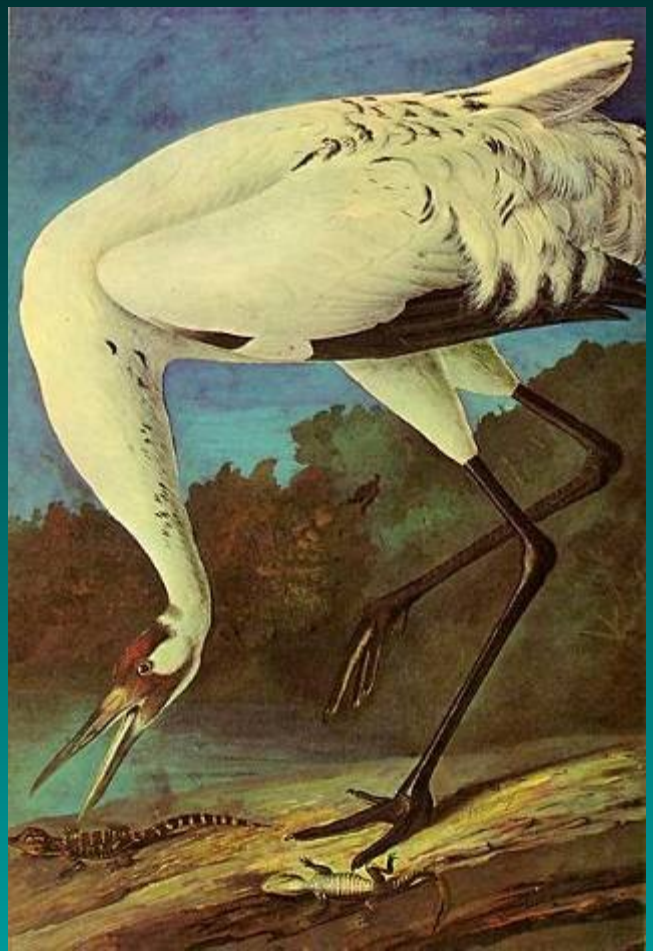
  - Peregrine Falcon
  - Bald Eagle

- Breeding Birds

  - Black-capped Vireo
  - Golden-cheeked Warbler

Endangered /Threatened Birds on Fort Hood

Whooping Crane



Endangered /Threatened Birds on Fort Hood

Peregrine Falcon

Endangered /Threatened Birds on Fort Hood

Bald Eagle

Photo by G.

Largest Breeding Populations of 2 Endangered Species under single ownership/management

Black-capped Vireo

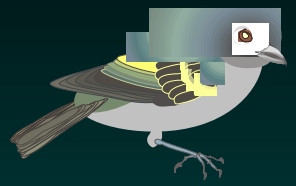
Golden-cheeked Warbler

Black-capped Vireo (*Vireo bil*

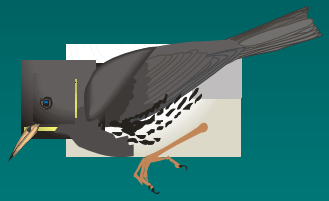
- **Listed as Endangered 1987**
- **Breeds in OK, TX, NW Mexico**
- **Arrives mid-March, departs Aug & Sep**

Golden-cheeked Warbler *(Dendroica chrysoparia)*

- **Listed as Endangered December 1990**
- **<u>No</u> other bird breeds only in Texas**
- **Arrives early March, leaves by end of July**



Vireo Habitat



Warbler Habitat

Primary Reasons for Listing of both Species

- Cowbird Brood Parasitism

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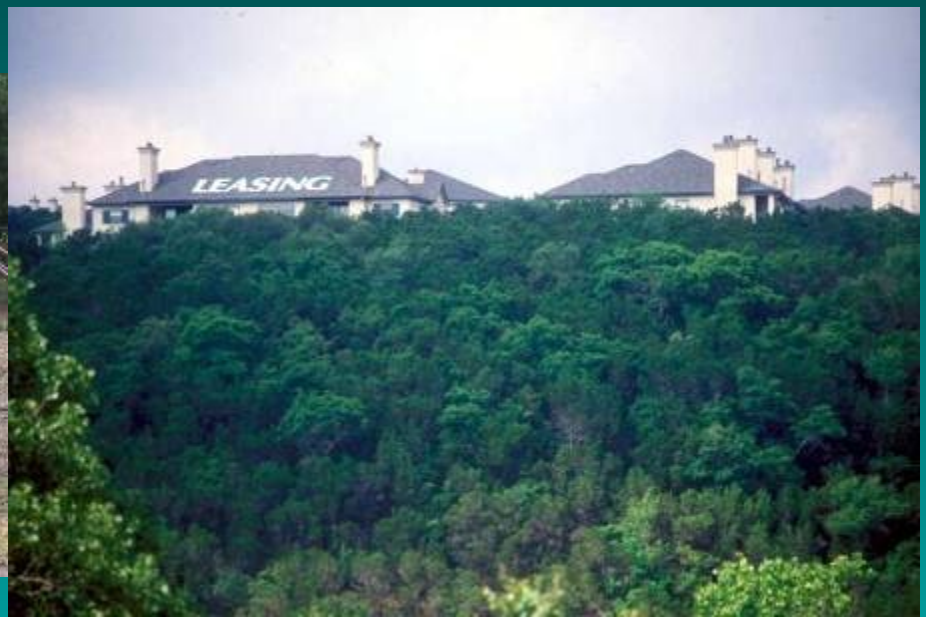

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Brown-headed Cowbirds

III Corps & FH REG 200-1
Chapter 9.3, Section C, part 11, page 70

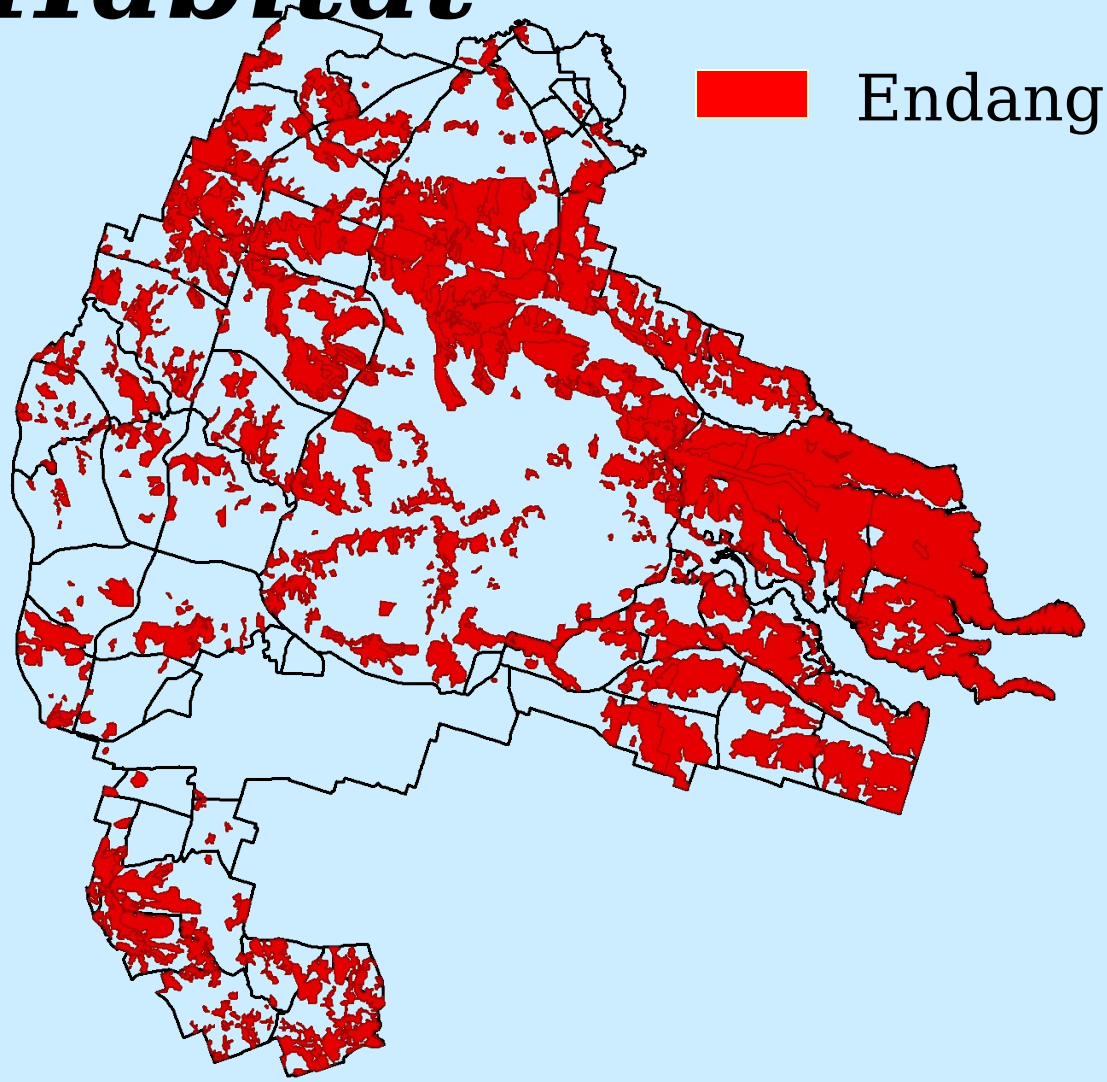
Do not tamper with or release birds from traps

ENDANGERED
SPECIES SITE
DO NOT DISTURB
GOLDEN-CHEEKED
WARBLER
BLACK-CAPPED
VIREO
RESTRICTED
ACTIVITY
REFER TO FH REG
420-2, Ch. 8

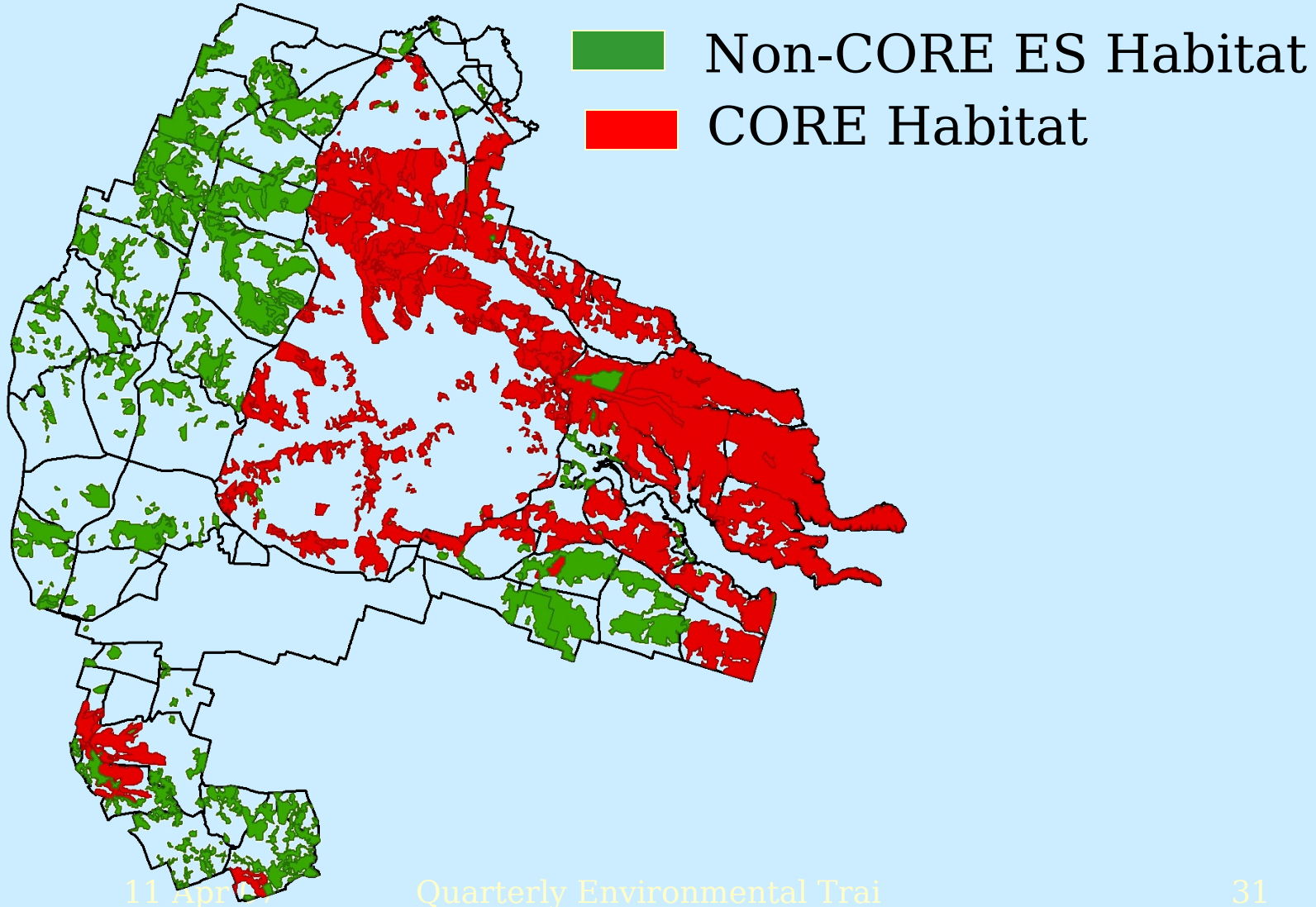
You mean, you didn't see that sign?!

Honest! We didn't see the sign!

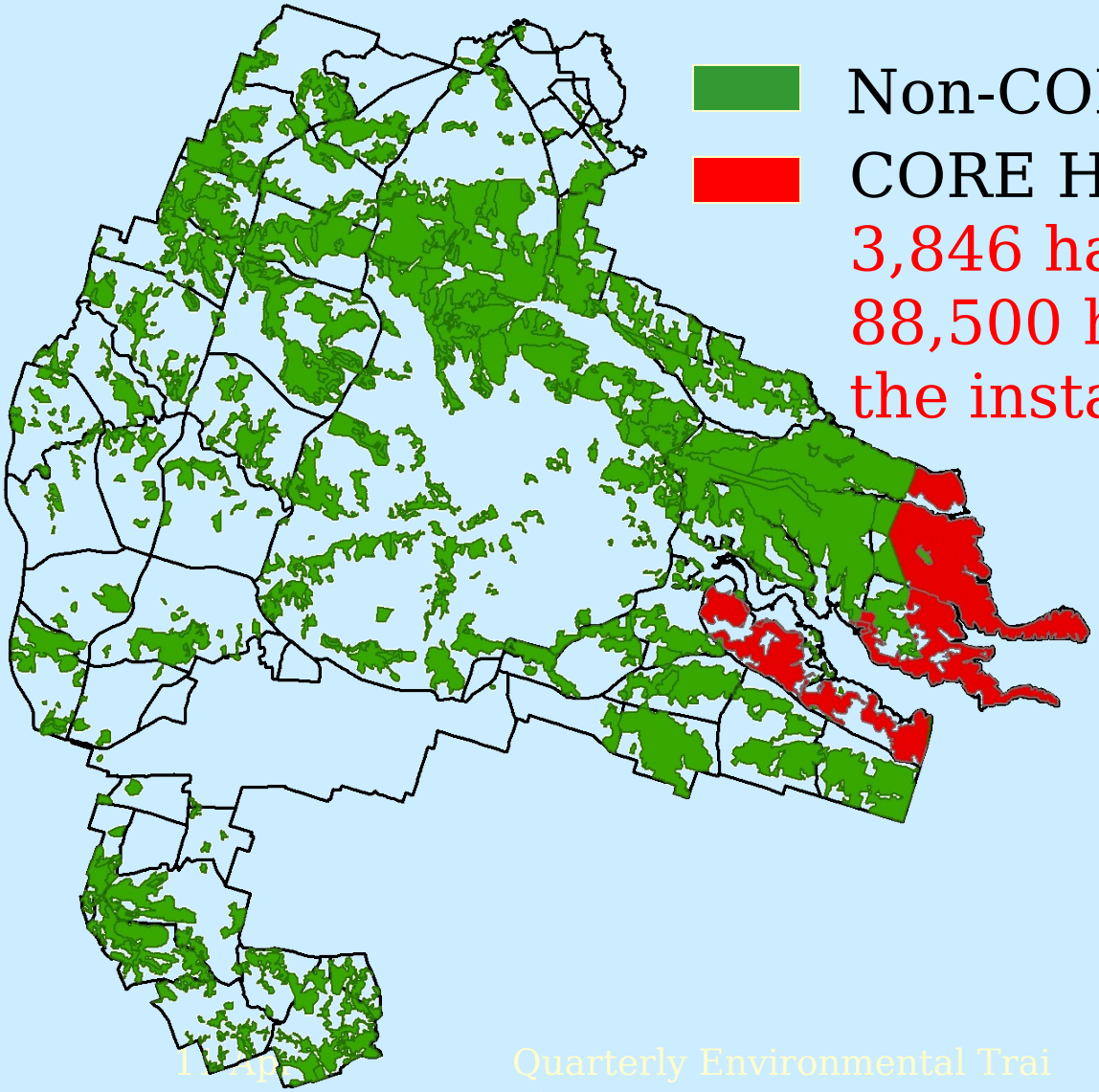
1993 Biological Opinion Habitat



2000 Biological Opinion Habitat



CORE Habitat Effective Mar 05



Non-CORE ES Habitat

CORE Habitat – 3,846 ha out of 88,500 ha = 4.3% of the installation

The Bottom Line

Fort Hood *can* accomplish military training objectives while meeting conservation objectives for threatened and endangered species.

If in doubt about Endangered Species Requirements, call Natural Resources Management Branch, 287-2885

Photo by Gil Eckrich

00:00

Hazardous Materials

MSDS, Inventories, Correct Use and other great information

Every Hazardous Item requires an MSDS

- The format of the MSDS is **not** standardized
- All MSDS will have required information
- Consistent with the label and classification information

Where do you need MSDS?

Where ever you:

1. Store HazMat
2. Use HazMat
3. A Master Set
   (usually in Shop Office/BMO)

O, MSDS, MSDS!, wherefore art thou MSDS?

- Need MSDS?
  - www.hazard.com
  - Manufacturer
  - DPW-ENV
  - HazMart
- Different size containers of same product – **different** MSDS

Following the Technical Manual and the Label

- Military equipment – only use exactly what is called for in TM
- Do not use a hazardous material that is not directed by the technical authority (FH200-1, page 30)

Did you know

- Bumper numbers are only supposed to be done in CARC paint?
- You must follow the precautions listed in the MSDS to use CARC

If a little is good....

- Use all products according to the manufacturer's directions
- Dispose of excess properly

Just like drain opener and toilet paper - more is ***not*** better

Don’t forget:

- Only use products only for their intended use – JP8 is not for cleaning hands!
- All HazMat in the work area must be inventoried and have MSDS
- ALL Used HazMat & empty containers – take them to the Classification Unit (288-7627)

Chemical Safety – don’t mix these!

Flammabl

Acid

Base

Oxidizer

What is “Used”?

Most spent products **not** classified as Hazardous Waste here on Ft. Hood

Because of their participation in **recycling**, **reuse** or **recovery** programs

Contamination can prevent this from working –**don’t mix different products**

The UPRP – Used Product Reclamation Point

1. Weekly documented inspections
2. Daily visual inspections
3. Everything has to be labeled!
4. Keep all lids on/covers closed
5. Ground drums for safety

Inside The Building

Used **P**roduct **R**eclamation **P**oint

Inside building, five 55 gallon drums:

1. Oil filters – drained
2. Fuel filters – drained/air dried
3. Grease
4. Sweep-able absorbents
5. Polypads

What goes in the AST?

1. Used Oil tank for all petroleum based oil products
   - All motor oil
   - Transmission fluid
   - Hydraulic fluids

2. Off-Spec Fuel is **only** for JP8
   - If you have gasoline or ‘mogas’, please contact the CU for a container to collect the off-spec fuel in.

3. Used Antifreeze is for antifreeze

Above-ground Storage Tanks (AST)

1. Daily visual inspection
2. Weekly documented inspection
3. Gauges in place
4. Grounded
5. Spills cleaned up
6. Collection Screens clean and serviceable
7. Lids kept closed when not in use

What to do if there’s a spill

1. Safety First
2. Stop the flow
3. Warn Personnel
4. Shut off ignition sources
5. Contain the spill if possible
6. If you need help - call
7. Report All POL spills of 25 gallons or more

Lids & Rain (or snow)

- A lid must be effective (hold the product in)
- If a container doesn't have an effective lid – don't store HazMat in it
- Rain water (storm water) goes to Belton Lake – our drinking water source

Preventing the mess in the first place

- Required to have ….

From Fort Hood Regulation 200-1:

- When in cantonment area and not in motion, All vehicles must use drip pans or drip pads.
- When on ranges, use drip pans or drip pads when vehicles are not in motion and use of drip pans or drip pads does not interfere with training.

Preferred Method

- Drip Pads – don’t absorb water but do absorb oil

Spills happen

- Deal with it.
  - Stop it from getting worse
  - Clean it up
  - Put the used absorbent in the right place
  - Call for help if you need to

One more thing…

Recycling on Ft. Hood

Fort Hood Regulation 420-6

Do you recycle?

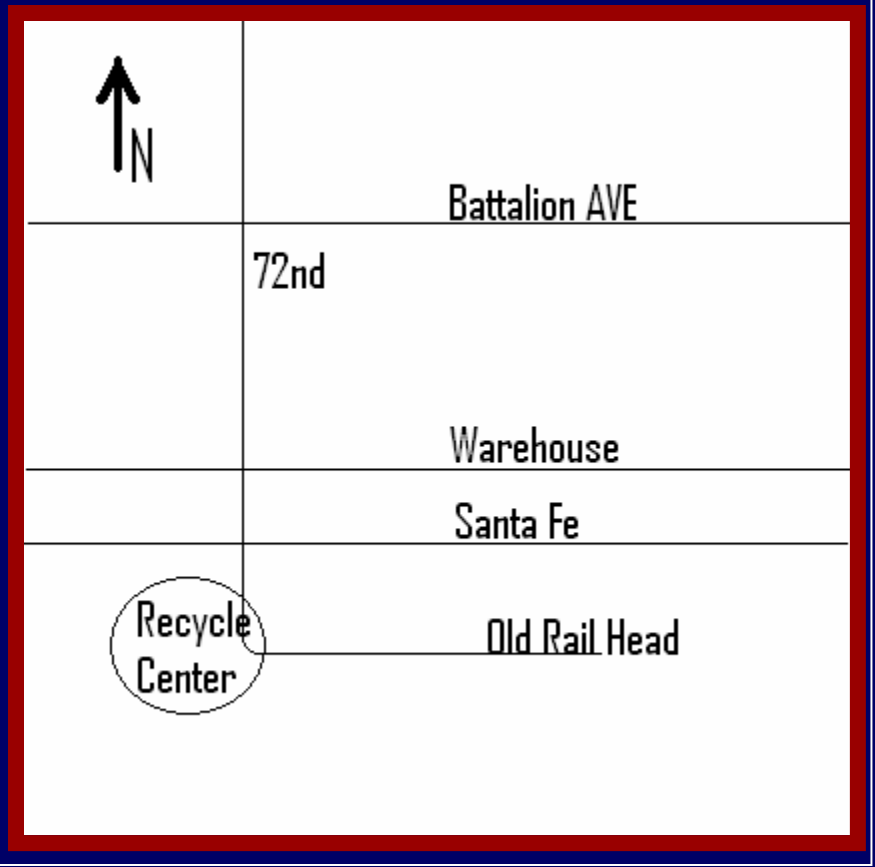
- Required on Ft. Hood (FH420-6)
- Available in Killeen and Copperas Cove
- Live off post? Please bring your recyclables here.

Collected Recyclables

- Paper
- Plastic Bottles
- Cardboard
- Metal Cans

At the Recycle Center you can:

- Use the GIANT shredder
- Drop off tennis/running shoes
- Drop off glass
- Drop off CDs/DVDs
- Drop off toner, printer and ink cartridges



Oh Where, Oh Where, Could my Recycle Be?

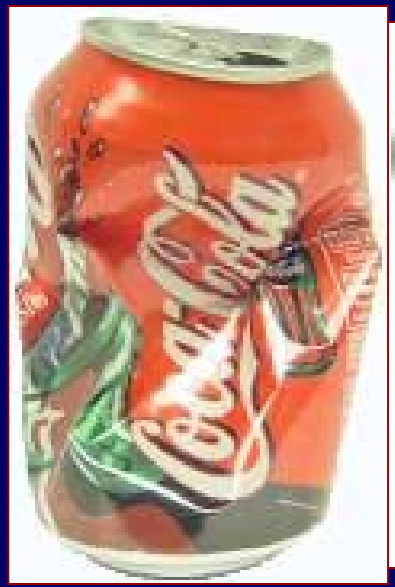
- In your motor pool
- In the office
- At home
- Drop-off points around Ft. Hood
- The commissaries

ONLY put the correct item in containers

If it says paper, only put in paper – nothing else

Metal means

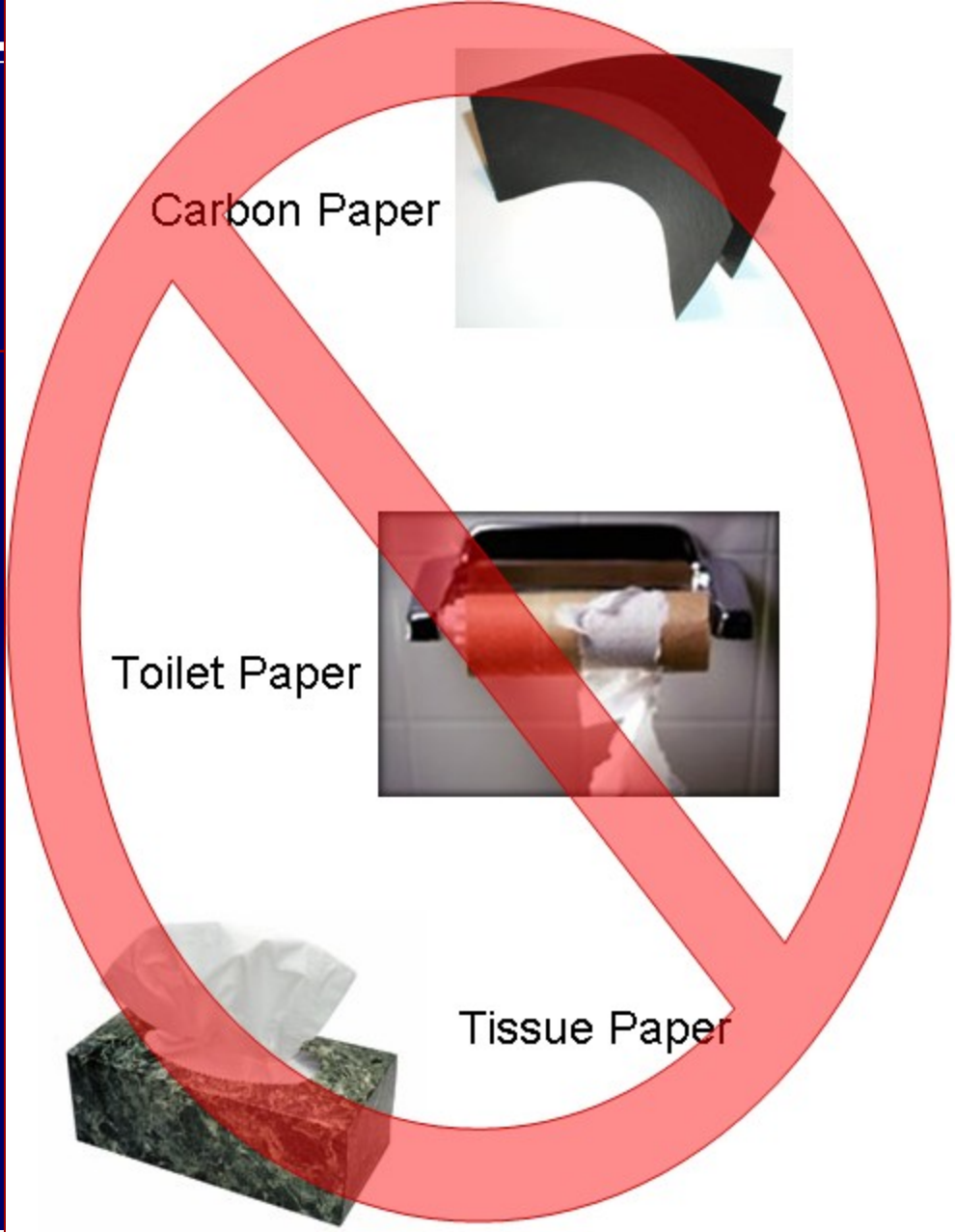
"Aluminum and Steel cans only"



Plastic means
plastic bottles

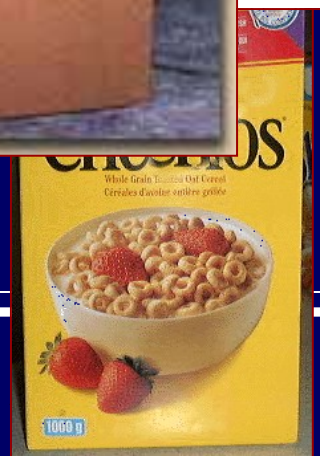
Paper means

"All paper, news paper, white paper, mixed paper…"



Cardboard

Break down boxes



Greasy Pizza Boxes

If you forget everything else today:

Recycle your cardboard !

The Recycle Buy Back Program (RBBP)

Funds generated <u>over operating costs</u> can be transferred into MWR accounts; so:

1. Recycle Everything
2. No Trash

For FY06 – over $100K given to units!

What about other stuff?

- Take your old plastic bags to the store (Walmart, HEB)
- Donate personal computers – Goodwill, Salvation Army
- Donate old cell phones at Radio Shack
- Donate your old clothes

Questions?

287-1606
287-2336
288-5307

2007 CenTex Earth Day Spectacular

Activities for the Whole Family including:

- Dinosaur Exhibit!
- Native American Dances
- Hybrid Vehicle Demonstration
- Native Plant Sale
- Recyclable Turn-In
- Games for the kids
- Environmental Booths

Tuesday, 24 April
4:30pm-7:30pm
Killeen Civic & Conference

Your Money

#1 Electricity Consumption in Households – HVAC

1. Programmable thermostat
2. Change filters very often
3. Close vents in empty rooms
4. Dishwasher, clothes dryer, oven – use during coolest part of day (use microwave)
5. Service system prior to summer
6. At work – keep thermostat set to no less than 74^0 in occupied areas

Thank you!

Questions or comments? Please speak to any DPW-Environmental Representative.

Don’t forget to lot unit/activity’s attendance